

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	4360800	shock\$1 detect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 08:53
L4	7750	(diaphram or shutter or (ND\$1 filter))adj blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 08:54
L5	2360	3 and L4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 08:54
L6	504	5 and actuator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 08:55
L7	445	6 and device	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 08:55
L8	4	7 and (openabl\$1 with closabl\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 08:56
L9	15	("20020047313"   "3508091"   "3551711"   "4656381"   "4891567"   "5298820"   "5369324"   "5384506"   "5523815"   "5555059"   "5831356"   "5917303"   "6218753").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/03 08:59
L10	2	7 and (impulsive adj force)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 09:06
L11	342	7 and (force or bump or drop or accelerat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 09:21

## EAST Search History

L12	59782	shock\$3 and sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 09:21
L13	1953	shock\$3 adj sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 09:21
L14	202	13 and camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 09:22
L15	49	14 and exposure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 09:36
L16	1	("6104878").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/03 09:36
S1	0	Nobuaki-Watanabe.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 14:12
S2	256	348/363.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 14:14
S3	57	S2 and blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 14:18
S4	45	S3 and (actuator or motor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 14:19
S5	20	S4 and filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 15:16

## EAST Search History

S6	2	"20030189656".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 15:32
S7	7747	(diaphragm or shutter or (ND\$1 filter))adj blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 08:54
S8	12	S7 and S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 15:33
S9	8991	(diaphragm or shutter or (ND\$1 filter))adj blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 15:36
S10	10	(diaphragm and shutter and (ND\$1 filter))adj blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 15:58
S11	941	(396/463,469,508).cccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 16:00
S12	114	Watanabe-Nobuaki.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 16:00
S13	16	S12 and blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 18:37
S14	9	("4119986" "5173728" "6443635").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 08:20
S15	1218	(348/362-369).cccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 18:37

## EAST Search History

S16	7747	(diaphram or shutter or (ND\$1 filter))adj blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 18:37
S17	58	S15 and S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/02/28 18:37
S18	6	("5012271" "5764292" "6101333"). pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/01 17:02
S19	7	("5012271").URPN.	USPAT	OR	OFF	2007/03/01 18:12
S20	7	("5764292").URPN.	USPAT	OR	OFF	2007/03/01 18:07
S21	8	("6101333").URPN.	USPAT	OR	OFF	2007/03/01 18:08
S22	1221	(348/362-369).cccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/01 18:12
S23	7750	(diaphram or shutter or (ND\$1 filter))adj blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/01 18:12
S24	58	S22 and S23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/01 18:12
S25	16	S24 and (open same close)	USPAT	OR	OFF	2007/03/01 18:12
S26	8257	((ND adj filter) or shutter or diaphragm) adj blade)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 08:37
S27	4264	S26 same (open\$3 or openabl\$1)same (clos\$3 or closabl\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 08:26
S28	3703	S26 same ((open\$3 with clos\$3)or (openabl\$1 with closabl\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 08:29

## EAST Search History

S29	3703	S26 same (open\$3 with clos\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 08:56
S30	5	S26 same (openabl\$1 with closabl\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 08:55
S31	5	((ND adj filter) and shutter and diaphragm) adj blade)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 08:46
S32	3	(time adj chart)with blade with control	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 08:51
S33	187	(time adj chart)with ((ND adj filter) or shutter or diaphragm)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 08:51
S34	0	S33 same (openabl\$1 with closabl\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 08:55
S35	4	S29 same (openabl\$1 with closabl\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 08:55
S36	32	S33 same (open\$3 with clos\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 08:56
S37	0	348/208.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 10:18
S38	29	348/208.16.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 10:18

## EAST Search History

S39	10	S38 and reflect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 10:19
S40	1	("6547457").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/02 14:41
S41	1	("5012271").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/02 15:48
S42	54	348/208.12.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 15:49
S43	32	S42 and expos\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 15:49
S44	26	S43 and shutter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 15:49
S45	13	S44 and measur\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 15:52
S46	4	S45 and incident	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 15:55
S47	971	(light adj measur\$3)same (exposure adj control)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 15:56
S48	305	S47 and sensor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 15:56
S49	0	S47 and (shock with sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 15:56

## EAST Search History

S50	78	S48 and (incident adj light)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 16:08
S51	962	(348/221.1,229.1,362).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 16:09
S52	614	S51 and (blade or shutter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/03/02 16:09
S53	616	S51 and (blade or shutter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 16:10
S54	38	S53 and (light adj measur\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 16:22
S55	6525253	stand\$1 state	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 16:22
S56	2043285	standby or (stand\$1 by)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 16:23
S57	3374	S56 and (light adj measur\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 16:24
S58	2210	S57 and (shutter or diaphragm or filter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 16:24
S59	197	S58 and blade	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 16:25

## EAST Search History

S60	50	S59 and actuator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 16:42
S61	82083	light adj detect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 16:42
S62	1930	S61 and (camera same exposure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 16:43
S63	133	S62 and (actuator same control)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 16:43
S64	122	S63 and (shutter or diaphragm or filter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 18:18
S65	941	(396/463,469,508).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/02 18:19
S66	2	(vibration with sensor)and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/03/03 08:53